

What is claimed is:

1. A substantially planar partition-forming member suitable for insertion into a dispensing tube having a dispensing end with affixed thereto a shoulder and a neck terminating as a dispensing orifice and adapted to receive a closing cap and an open filling end into which the partition-forming member is inserted prior to filling to form a partition and two separate and discrete compartments within the tube; said partition-forming member having a configuration comprising:
  - (i) an end portion having a neck,
  - (ii) an adjacent portion to said neck sloping downward from each side of said neck so as to conform to the shape of the tube shoulder,
  - (iii) a mid-portion for extending within the tube,
  - (iv) a terminal end,said partition-forming member being first folded along each longitudinal side below said adjacent portion (ii) at a distance from respective outer edges thereof thereby providing a spine between the first folds and two sealing flaps adjacent thereto;  
said partition-forming member being further folded along each longitudinal side below said adjacent portion (ii) at a distance between the first folds and respective outer edges to form two spaced outer flaps;  
said partition-forming member being comprised of a material sufficiently resilient that such member tends to revert to its original planar configuration thereby causing pressure of the flaps against the inner surface of the tube.
2. The partition-forming member of claim 1 wherein said member is die cut.

3. The partition-forming member of claim 1 wherein said member is comprised of a material which is bondable with a surface of the tube.
4. The partition-forming member of claim 1 wherein said member is formed from plastic sheet material, board material coated with a polymeric material, or a combination thereof.
5. The partition-forming member of claim 4, wherein said member comprises an inner layer of a board material and two outer layers of polymeric sheet material, the total planar dimensions of said polymeric sheets being greater than those of the paper board thereby resulting in a polymeric sheet to polymeric sheet overlapping in a plane with and around the edge of said member and said overlapping of sheets being laminated together to form a flexible sealing gasket in a plane with and around the edge of said member.
6. The partition-forming member of claim 1 wherein the edges of the sealing flaps are cut at an angle to form a biased surface in the sealing direction of each flap.
7. The partition-forming member of claim 1 wherein the outer flaps have a width less than said sealing flaps.
8. The partition-forming member of claim 1 wherein said outer flaps extend from below said adjacent portion (ii) to above said terminal end (iv).

9. The partition-forming member of claim 1 wherein said sealing flaps are folded in opposite directions from each other relative to said spine so as to form a Z-shape with said spine.
- 5 10. A dual compartment dispensing tube assembly, comprising:
- (a) a tubular container body having a dispensing end in the form of a tube head having a shoulder and a neck terminating as a dispensing orifice and adapted to receive a closing cap, and a filling end which is sealed after contents are placed in said compartments;
- 10 (b) a collar insert placed in said container body and juxtaposed to said tube head, said collar insert containing a hollow shoulder base juxtaposed to said shoulder, and a neck concentrically juxtaposed to said neck of said tube head and including a passage therethrough, said collar insert containing slots to receive a partition-forming insert;
- 15 (c) a substantially planar partition-forming insert positioned in said slots and extending into said tubular container body to provide two adjacent compartments defined by a common wall segment and a pair of outer arcuate walls;
- 20 said planar insert having a configuration generally conforming to that of the tube if flattened and comprising (i) an end portion which is substantially equal to the inner diameter of the neck of said collar insert and which extends through the passage formed in the neck of said collar insert, (ii) an adjacent portion conforming to the inside shape of the shoulder of said collar insert, (iii) a mid-portion extending axially within the tube and having a width of at
- 25 least about one half the inner circumference of the tube, and (iv) a terminal end positioned within the filling end of the tube and having a width

substantially equal to one half the inner-circumference of said tube;

said planar insert being folded along each longitudinal side to provide a spine between the folds and a flap at either side of the folds, wherein said insert can be folded generally into a "Z" shape, and

5           said planar insert being comprised of a material sufficiently resilient such that the insert tends to revert to its original planar configuration thereby causing pressure of the flaps against the inner arcuate walls thereby providing a pressure seal along the longitudinal edges with the surface of said arcuate walls.

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11.   The assembly of claim 10 wherein the planar insert is comprised of a material which is bondable with a surface of the tubular container body.

12.   The assembly of claim 10 wherein said planar insert is die cut.

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13.   The assembly of claim 10 wherein said planar insert is formed from plastic sheet material, board material coated with a polymeric material, or a combination thereof.

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14.   The assembly of claim 13, wherein said planar insert comprises an inner layer of board material and two outer layers of polymeric sheet material, the total planar dimensions of said polymeric sheets being greater than these of the board, thereby resulting in a sheet to sheet overlapping in a plane with and around the edge of said insert and said overlapping of sheets being  
25   laminated together to form a flexible sealing gasket in a plane with and around the edge of said insert.

15. The assembly of claim 10 wherein the edges of the flaps are cut at an angle to form a biased surface in the sealing direction of each flap.
- 5 16. The assembly of claim 10 wherein the tubular body is an extended tubular cylinder comprised of thermoplastic material, aluminum, or a laminated combination of at least two materials from any one or more of the above materials.
- 10 17. The assembly of claim 10 wherein, after filling, the filling end is sealed to form a straight line seal at said filling end with said planar partition-forming insert.
18. The assembly of claim 10 wherein the tubular container body has a cross-section which is a circle or an ellipsoid.
- 15 19. The assembly of claim 10 wherein said collar insert includes a pair of opposing slots in the neck of said collar insert, said neck of said planar insert being held within said slots.
- 20 20. The assembly of claim 10 wherein said collar insert includes a pair of slots in said hollow shoulder on each side of said neck, said adjacent portion (ii) of said planar insert being held within said slots.
21. The assembly of claim 10 wherein said collar insert is formed from PBT.